

HW_8

1. What does DAX stand for?

Data Analysis Expression

2. Write a DAX formula to sum the Sales column.
The answer is In the powerBi file
3. What is the difference between a calculated column and a measure?

Calculated Column Adds a new Column to the table

Where as Measure Calculates a result on the fly

4. Use the DIVIDE function to calculate Profit Margin (Profit/Sales).

The answer is In the powerBi file

5. What does COUNTROWS() do in DAX?

Counts the number of rows in the table

6. Create a measure: Total Profit that subtracts total cost from total sales

The answer is In the powerBi file

7. Write a measure to calculate Average Sales per Product.

The answer is In the powerBi file

8. Use IF() to tag products as "High Profit" if Profit > 1000.

The answer is In the powerBi file

9. What is a circular dependency error in a calculated column?

It is when the measure or a column depends to itself, directly or indirectly

10. Explain row context vs. filter context.

Row Context is active in calculated columns

Where as Filter Context comes from filters, slicers, applies to measures, and visuals

11. Write a measure to calculate YTD Sales using TOTALYTD().

The answer is In the powerBi file

12. Create a dynamic measure that switches between Sales, Profit, and Margin.

The answer is In the powerBi file

13. Optimize a slow DAX measure using variables (VAR)

The answer is In the powerBi file

14. Use CALCULATE() to override a filter

The answer is In the powerBi file

15. Write a measure that returns the highest sales amount

The answer is In the powerBi file